

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 8    | ("5406401" "5442620" "5870382" "20030012134").pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/04/25 08:26 |
| S2    | 185  | (<br>"20050088963" "20050058060"<br>"7197008" "20030214962"<br>"6144633" "6625115"<br>"20050083947" "7016300"<br>"20040202467" "20030169470"<br>"6992978" "20050041575"<br>"7093027" "20060245393"<br>"20070002833" "5831970"<br>"6879558" "6947737"<br>"20020160771" "20060030313"<br>"5978354" "5581545" "5737315"<br>"6236640" "6236641"<br>"20030233579" "20050058064"<br>"20050122913" "20060002293"<br>"5901137" "6081535" "5663949"<br>"5757769" "6130764" "6256292"<br>"6956816" "20010038733"<br>"20040076114" "20040190443"<br>"20050128939" "20060173968"<br>"6232866" "6239685" "5027108"<br>"5341325" "4423287" "4578530"<br>"5796718" "6167025" "7046619"<br>"6014805" "6442694" "7130263"<br>"20050122897" "4553723"<br>"4582280" "6081692" "6301229"<br>"20030014497" "20040062261"<br>"20050157721" "6741553"<br>"4837760" "5029158" "7110354"<br>"20020080724" "20040208510"<br>"20050195813" "20060092830"<br>"20060245404" "20040240380"<br>"4475720" "6223109" "6223109"<br>"6895441" "6901048" "6931529"<br>"6978394" "6987727" "7047562"<br>"7120165" "20020091921"<br>"20020172155" "20020199115"<br>"20030097590" "20040109687"<br>"20040156310" "20050120213"<br>"20050141417" "20050188100"<br>"20050243711" "20050265228"<br>"20060036892" "20060185012"<br>"20060215548" "20070011284"<br>"4979204" "20030028804"<br>"20060135172" "5781864" ).pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/04/23 20:06 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S3  | 12    | ("6091709" "6614790" "5406401" "5442620" "5870382" "20030012134").pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 14:37 |
| S4  | 1054  | 370/216.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 09:29 |
| S5  | 169   | 370/227.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 09:29 |
| S6  | 778   | 370/228.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 09:29 |
| S7  | 447   | 370/225.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 09:33 |
| S8  | 3293  | (APS and (tandem or intermediate)).bsum.                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 12:35 |
| S9  | 6     | S8 and S4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 11:02 |
| S10 | 25221 | (APS and (tandem or intermediate))                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 12:35 |
| S11 | 23    | S10 and S4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 12:58 |
| S12 | 10    | S10 and S5  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 13:13 |

## EAST Search History

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S13 | 20     | S10 and S6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 13:25 |
| S14 | 16     | S10 and S7   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 13:25 |
| S15 | 19     | ("5631896"   "5671215"  <br>"5715237"   "5732069"  <br>"5737338"   "5757796"  <br>"5764624"   "5774675"  <br>"6075767").PN. OR ("6466576").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2007/04/24 13:39 |
| S16 | 148565 | (allow deny perform accept agree)<br>near8 ((path channel protection)<br>near3 switch change)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 13:49 |
| S17 | 82     | S16 and S4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 13:47 |
| S18 | 9      | S17 and APS  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 13:47 |
| S19 | 4504   | (allow deny perform accept agree)<br>same ((path channel protection)<br>near3 switch change) same<br>priority  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 13:49 |
| S20 | 12     | S19 and S4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 13:53 |
| S21 | 1      | S19 and S5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 13:54 |

## EAST Search History

|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S22 | 7     | S19 and S6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/24 14:03 |
| S23 | 21    | ("4696001"   "5003531"  <br>"5081452"   "5282200"  <br>"5442623"   "5444694"  <br>"5751696"   "5757774"  <br>"5793745"   "5949755").PN. OR<br>("6760302").URPN.                            | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2007/04/24 14:02 |
| S24 | 9     | S19 and S7   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/24 14:05 |
| S25 | 2     | ("7046619").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                | OR | OFF | 2007/04/24 14:37 |
| S26 | 8     | ("5590118"   "5914798"  <br>"5999286"   "6026077"  <br>"6097696"   "6269452"  <br>"6272107"   "6292464").PN. OR<br>("7046619").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2007/04/24 15:52 |
| S27 | 3     | (protection adj switch adj request)<br>same (capacity bandwidth<br>wavelength) same priority   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/24 15:57 |
| S28 | 2     | ("5978354").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                | OR | OFF | 2007/04/24 15:57 |
| S29 | 2     | ("6549513").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                | OR | OFF | 2007/04/25 08:26 |
| S30 | 22    | ("4956835"   "5065399"  <br>"5093824"   "5235599"  <br>"5444693"   "5495471"  <br>"5748611"   "5812524"  <br>"5850505"   "6377543"  <br>"6404734"   "6421349").PN. OR<br>("6549513").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2007/04/25 08:30 |
| S31 | 29977 | ((path channel route protection)<br>near5 switch).bsum.  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2007/04/25 13:16 |

## EAST Search History

|     |      |               |   |    |    |                  |
|-----|------|---------------|---|----|----|------------------|
| S32 | 1054 | 370/216.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 08:30 |
| S33 | 169  | 370/227.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 08:31 |
| S34 | 447  | 370/225.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 08:31 |
| S35 | 778  | 370/228.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 08:31 |
| S37 | 3523 | 370/252.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 08:31 |
| S38 | 346  | 370/253.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 08:31 |
| S39 | 174  | S31 and S32   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 09:18 |
| S40 | 20   | S39 and APS   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 08:52 |
| S41 | 3    | 10/037156     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 08:53 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S42 | 23  | ("0116669"   "20030055954"   "20030063613"   "5572679"   "5742753"   "5768501"   "5805578"   "6145102"   "6243838"   "6259679"   "6269330"   "6307834"   "6324162"   "6370110"   "6446222"   "6505310"   "6505311"   "6519224"   "6748434"   "6778491").PN. OR ("6848062").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2007/04/25 09:18 |
| S43 | 53  | S31 and S33  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/25 10:15 |
| S44 | 115 | S31 and S34  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/25 12:27 |
| S45 | 169 | S31 and S35  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/25 12:27 |
| S46 | 148 | ((path channel route protection) near5 switch) same ((match compare determine identify) near5 priority)  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2007/04/25 13:18 |
| S47 | 3   | S46 and S32  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2007/04/25 13:20 |
| S48 | 2   | S46 and S33  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2007/04/25 13:33 |
| S49 | 2   | S46 and S34  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2007/04/25 13:33 |
| S50 | 27  | ("4967405"   "5113395"   "5307353"   "5442623"   "5550805"   "5590119"   "5815490").PN. OR ("6144633").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2007/04/26 12:20 |
| S51 | 2   | ("6144633").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                | OR | OFF | 2007/04/26 13:30 |

## EAST Search History

|     |   |  |   |    |    |                  |
|-----|---|--|---|----|----|------------------|
| S52 | 2 | "20040221058"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/26 13:35 |
| S53 | 7 | ("20040190444" "20060224659"<br>"20040208118" "20040221058").<br>pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/26 13:37 |